

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	23.89	23.29	33	PASS
Band2	TestMode	9262	23.95	23.35	33	PASS
Band2	TestMode	9400	24.20	23.60	33	PASS
Band2	Voice	9400	23.84	23.24	33	PASS
Band2	TestMode	9538	24.24	23.64	33	PASS
Band2	Voice	9538	24.23	23.63	33	PASS
Band4	Voice	1312	23.29	21.29	30	PASS
Band4	TestMode	1312	23.35	21.35	30	PASS
Band4	TestMode	1413	23.60	21.60	30	PASS
Band4	Voice	1413	23.24	21.24	30	PASS
Band4	Voice	1513	23.64	21.64	30	PASS
Band4	TestMode	1513	23.63	21.63	30	PASS
Band5	TestMode	4132	24.24	19.29	38.5	PASS
Band5	Voice	4132	24.15	19.20	38.5	PASS
Band5	TestMode	4183	24.15	19.20	38.5	PASS
Band5	Voice	4183	24.11	19.16	38.5	PASS
Band5	Voice	4233	24.02	19.07	38.5	PASS
Band5	TestMode	4233	24.07	19.12	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.01	22.41	33	PASS
Band2	9262	2	22.49	21.89	33	PASS
Band2	9262	3	22.51	21.91	33	PASS
Band2	9262	4	22.50	21.90	33	PASS
Band2	9400	1	22.89	22.29	33	PASS
Band2	9400	2	22.33	21.73	33	PASS
Band2	9400	3	22.37	21.77	33	PASS
Band2	9400	4	22.32	21.72	33	PASS
Band2	9538	1	23.29	22.69	33	PASS
Band2	9538	2	22.75	22.15	33	PASS
Band2	9538	3	22.78	22.18	33	PASS
Band2	9538	4	22.80	22.20	33	PASS
Band4	1312	1	22.41	20.41	30	PASS
Band4	1312	2	21.89	19.89	30	PASS

Band4	1312	3	21.91	19.91	30	PASS
Band4	1312	4	21.90	19.90	30	PASS
Band4	1413	1	22.29	20.29	30	PASS
Band4	1413	2	21.73	19.73	30	PASS
Band4	1413	3	21.77	19.77	30	PASS
Band4	1413	4	21.72	19.72	30	PASS
Band4	1513	1	22.69	20.69	30	PASS
Band4	1513	2	22.15	20.15	30	PASS
Band4	1513	3	22.18	20.18	30	PASS
Band4	1513	4	22.20	20.20	30	PASS
Band5	4132	1	20.41	15.46	38.5	PASS
Band5	4132	2	19.89	14.94	38.5	PASS
Band5	4132	3	19.91	14.96	38.5	PASS
Band5	4132	4	19.90	14.95	38.5	PASS
Band5	4183	1	20.29	15.34	38.5	PASS
Band5	4183	2	19.73	14.78	38.5	PASS
Band5	4183	3	19.77	14.82	38.5	PASS
Band5	4183	4	19.72	14.77	38.5	PASS
Band5	4233	1	20.69	15.74	38.5	PASS
Band5	4233	2	20.15	15.2	38.5	PASS
Band5	4233	3	20.18	15.23	38.5	PASS
Band5	4233	4	20.20	15.25	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.97	20.37	33	PASS
Band2	9262	2	21.47	20.87	33	PASS
Band2	9262	3	22.00	21.40	33	PASS
Band2	9262	4	21.00	20.40	33	PASS
Band2	9262	5	22.99	22.39	33	PASS
Band2	9400	1	20.82	20.22	33	PASS
Band2	9400	2	21.32	20.72	33	PASS
Band2	9400	3	21.84	21.24	33	PASS
Band2	9400	4	20.86	20.26	33	PASS
Band2	9400	5	22.87	22.27	33	PASS
Band2	9538	1	21.22	20.62	33	PASS
Band2	9538	2	21.75	21.15	33	PASS
Band2	9538	3	22.25	21.65	33	PASS
Band2	9538	4	21.26	20.66	33	PASS
Band2	9538	5	23.26	22.66	33	PASS
Band4	1312	1	21.20	19.20	30	PASS

Band4	1312	2	21.72	19.72	30	PASS
Band4	1312	3	22.24	20.24	30	PASS
Band4	1312	4	21.23	19.23	30	PASS
Band4	1312	5	23.22	21.22	30	PASS
Band4	1413	1	21.04	19.04	30	PASS
Band4	1413	2	21.58	19.58	30	PASS
Band4	1413	3	22.08	20.08	30	PASS
Band4	1413	4	21.07	19.07	30	PASS
Band4	1413	5	23.08	21.08	30	PASS
Band4	1513	1	21.42	19.42	30	PASS
Band4	1513	2	21.93	19.93	30	PASS
Band4	1513	3	22.43	20.43	30	PASS
Band4	1513	4	21.43	19.43	30	PASS
Band4	1513	5	23.44	21.44	30	PASS
Band5	4132	1	21.20	16.25	38.5	PASS
Band5	4132	2	21.72	16.77	38.5	PASS
Band5	4132	3	22.22	17.27	38.5	PASS
Band5	4132	4	21.24	16.29	38.5	PASS
Band5	4132	5	23.26	18.31	38.5	PASS
Band5	4183	1	21.13	16.18	38.5	PASS
Band5	4183	2	21.63	16.68	38.5	PASS
Band5	4183	3	22.14	17.19	38.5	PASS
Band5	4183	4	21.13	16.18	38.5	PASS
Band5	4183	5	23.16	18.21	38.5	PASS
Band5	4233	1	21.02	16.07	38.5	PASS
Band5	4233	2	21.52	16.57	38.5	PASS
Band5	4233	3	22.03	17.08	38.5	PASS
Band5	4233	4	21.07	16.12	38.5	PASS
Band5	4233	5	23.05	18.1	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

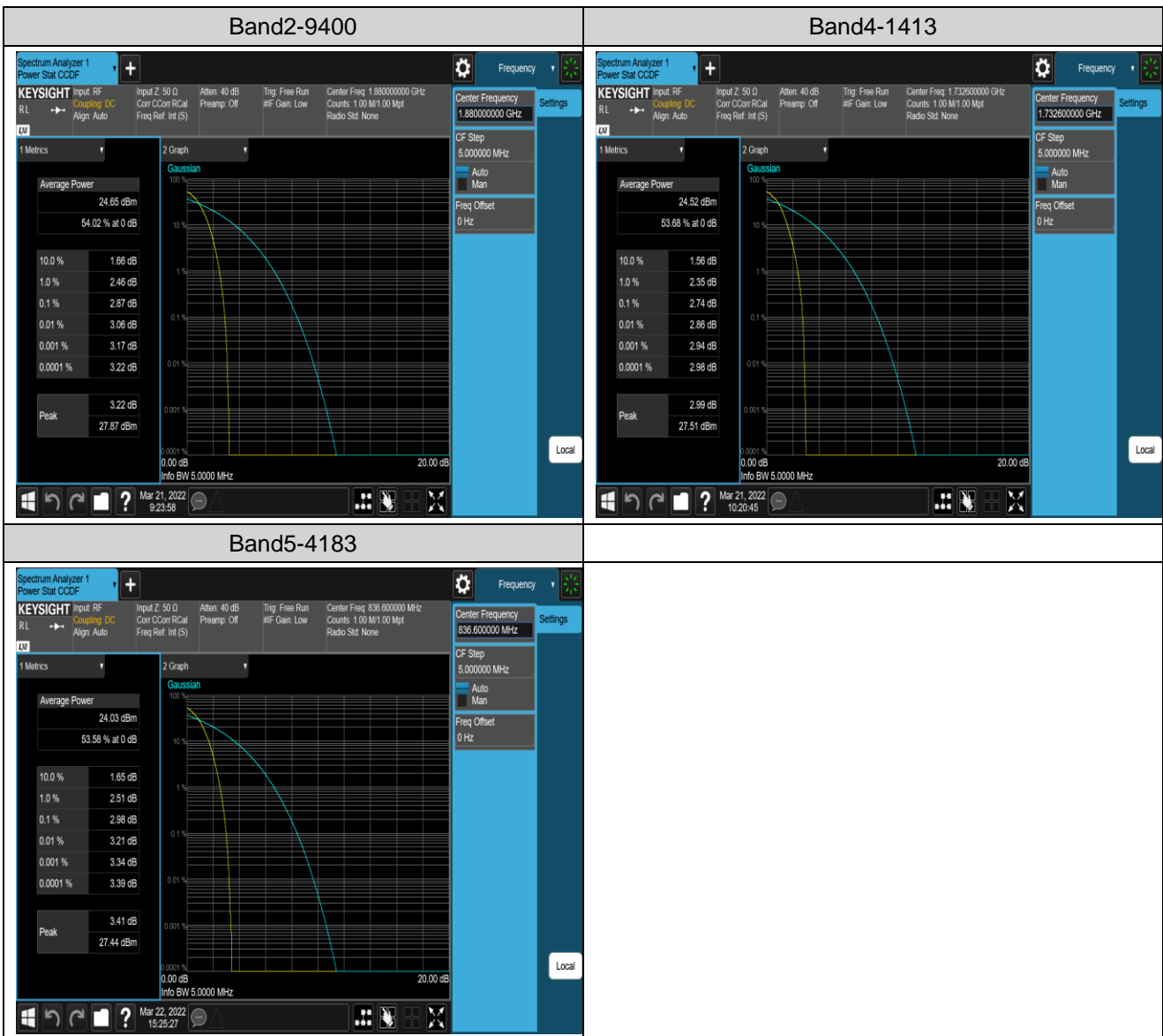
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.87	13	PASS
Band4	1413	2.74	13	PASS
Band5	4183	2.98	13	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs(WCDMA)

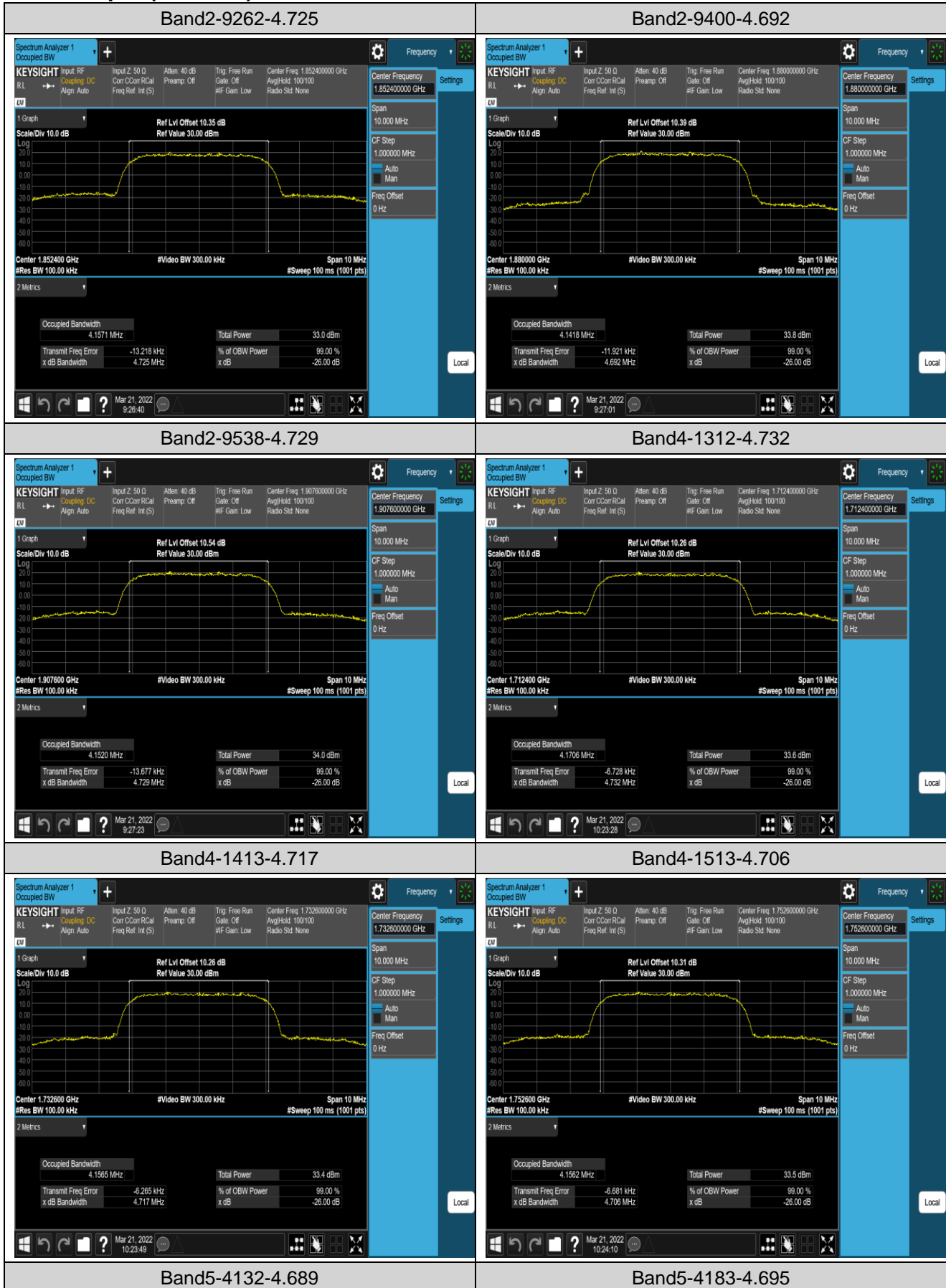


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1571	4.725	---	PASS
Band2	9400	4.1418	4.692	---	PASS
Band2	9538	4.1520	4.729	---	PASS
Band4	1312	4.1706	4.732	---	PASS
Band4	1413	4.1565	4.717	---	PASS
Band4	1513	4.1562	4.706	---	PASS
Band5	4132	4.1426	4.689	---	PASS
Band5	4183	4.1474	4.695	---	PASS
Band5	4233	4.1403	4.690	---	PASS

Test Graphs(WCDMA)



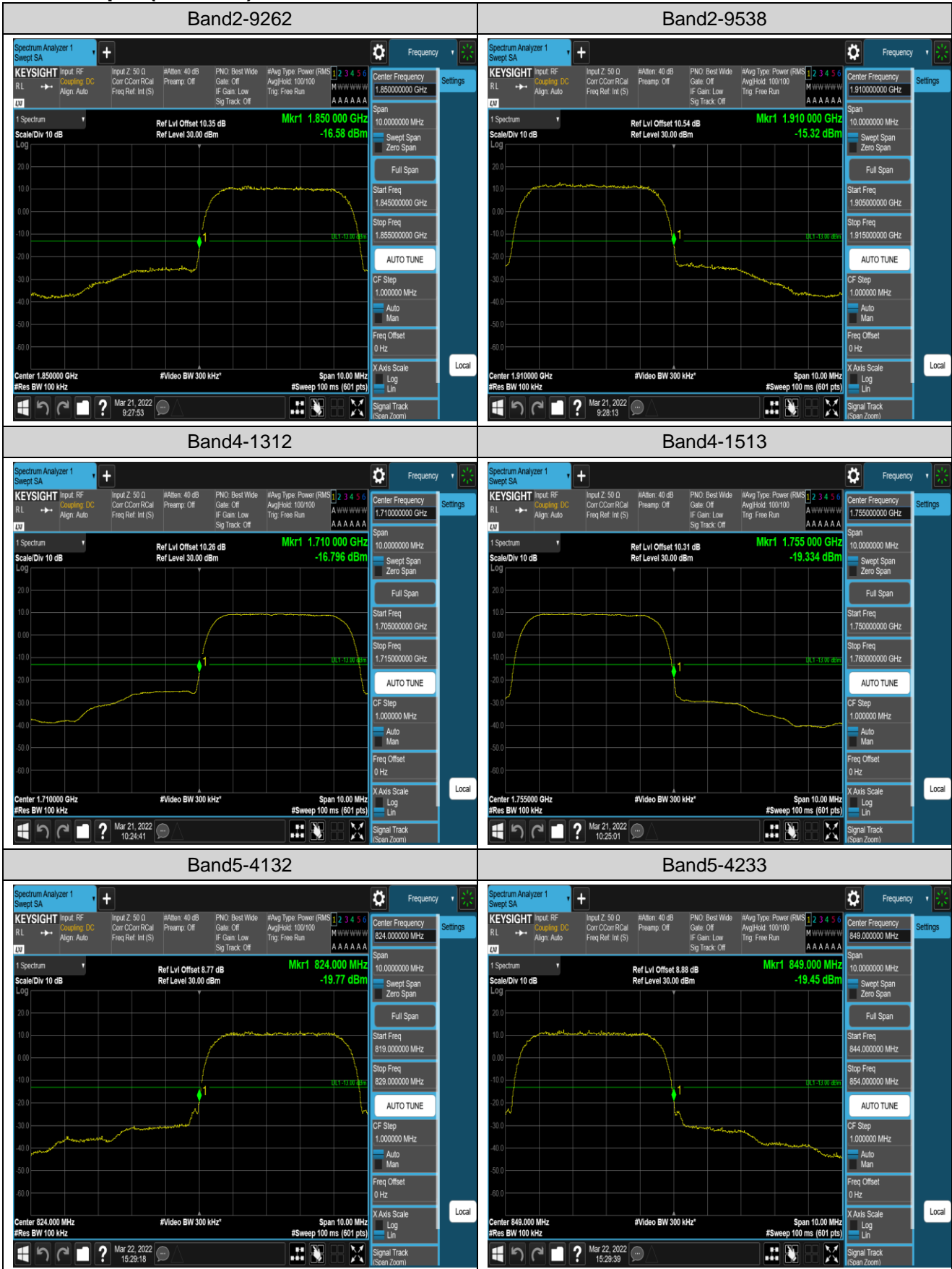


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-16.58	-13	PASS
Band2	9538	1910.00	-15.32	-13	PASS
Band4	1312	1710.00	-16.80	-13	PASS
Band4	1513	1755.00	-19.33	-13	PASS
Band5	4132	824.00	-19.77	-13	PASS
Band5	4233	849.00	-19.45	-13	PASS

Test Graphs(WCDMA)



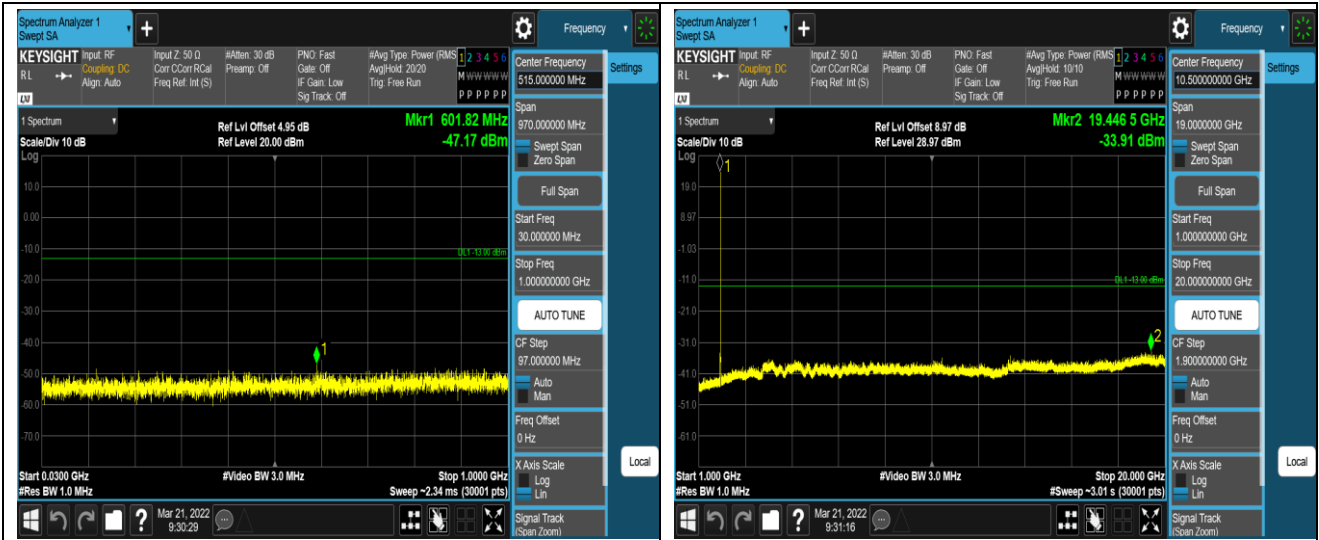
Appendix E: Conducted Spurious Emission

Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.14	-75.79	-43	PASS
Band2	9262	0.15~30MHz	0.15	-58.1	-23	PASS
Band2	9262	30~1000MHz	989.62	-47.38	-13	PASS
Band2	9262	1000~20000MHz	19033.53	-34.52	-13	PASS
Band2	9400	0.009~0.15MHz	0.14	-74.52	-43	PASS
Band2	9400	0.15~30MHz	0.16	-58.51	-23	PASS
Band2	9400	30~1000MHz	601.82	-47.17	-13	PASS
Band2	9400	1000~20000MHz	19446.47	-33.91	-13	PASS
Band2	9538	0.009~0.15MHz	0.14	-74.92	-43	PASS
Band2	9538	0.15~30MHz	0.15	-58.47	-23	PASS
Band2	9538	30~1000MHz	531.3	-47.99	-13	PASS
Band2	9538	1000~20000MHz	19022.13	-34.44	-13	PASS
Band4	1312	0.009~0.15MHz	0.06	-75.23	-43	PASS
Band4	1312	0.15~30MHz	0.15	-57.57	-23	PASS
Band4	1312	30~1000MHz	934.33	-47.07	-13	PASS
Band4	1312	1000~20000MHz	19117.77	-34.68	-13	PASS
Band4	1413	0.009~0.15MHz	0.13	-73.9	-43	PASS
Band4	1413	0.15~30MHz	0.17	-54.31	-23	PASS
Band4	1413	30~1000MHz	914.09	-47.33	-13	PASS
Band4	1413	1000~20000MHz	19015.8	-34.28	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-75.01	-43	PASS
Band4	1513	0.15~30MHz	0.16	-57.12	-23	PASS
Band4	1513	30~1000MHz	890.84	-47.7	-13	PASS
Band4	1513	1000~20000MHz	19036.7	-34.13	-13	PASS
Band5	4132	0.009~0.15MHz	0.1	-74.96	-33	PASS
Band5	4132	0.15~30MHz	0.16	-56.21	-13	PASS
Band5	4132	30~1000MHz	442.7	-57.57	-13	PASS
Band5	4132	1000~10000MHz	5016.4	-36.28	-13	PASS
Band5	4183	0.009~0.15MHz	0.1	-74.69	-33	PASS
Band5	4183	0.15~30MHz	0.15	-58.54	-13	PASS
Band5	4183	30~1000MHz	495.05	-57.74	-13	PASS
Band5	4183	1000~10000MHz	3989.2	-35.42	-13	PASS
Band5	4233	0.009~0.15MHz	0.04	-74.49	-33	PASS
Band5	4233	0.15~30MHz	0.15	-57.58	-13	PASS
Band5	4233	30~1000MHz	999.94	-57.76	-13	PASS
Band5	4233	1000~10000MHz	3987.4	-35.58	-13	PASS

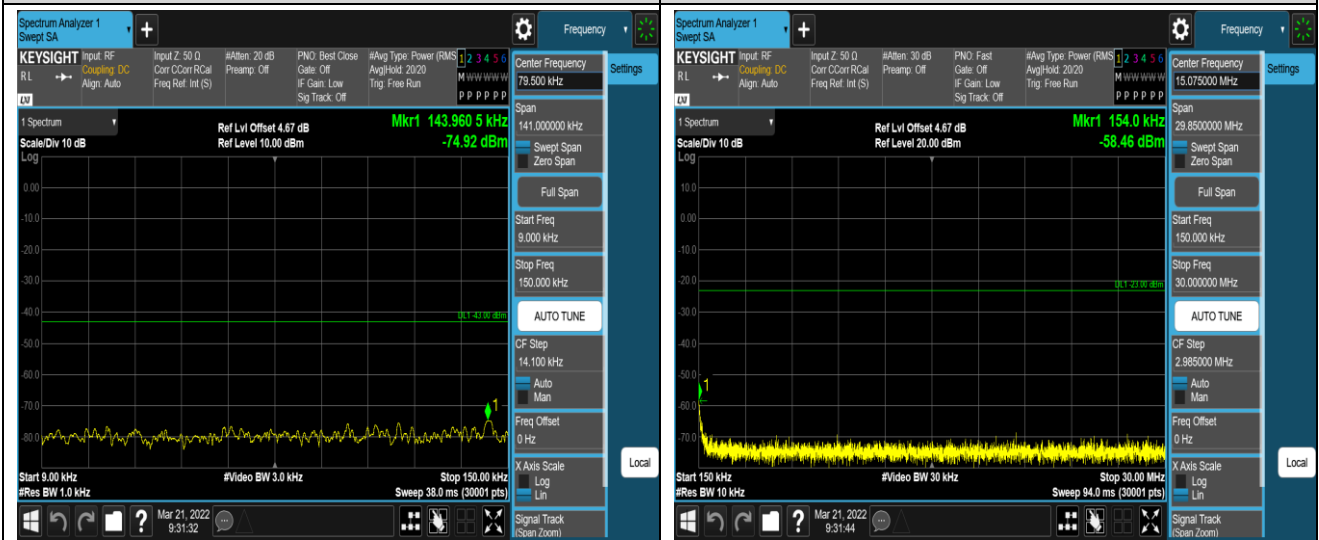
Test Graphs(WCDMA)





Band2-9538-0.009~0.15MHz

Band2-9538-0.15~30MHz



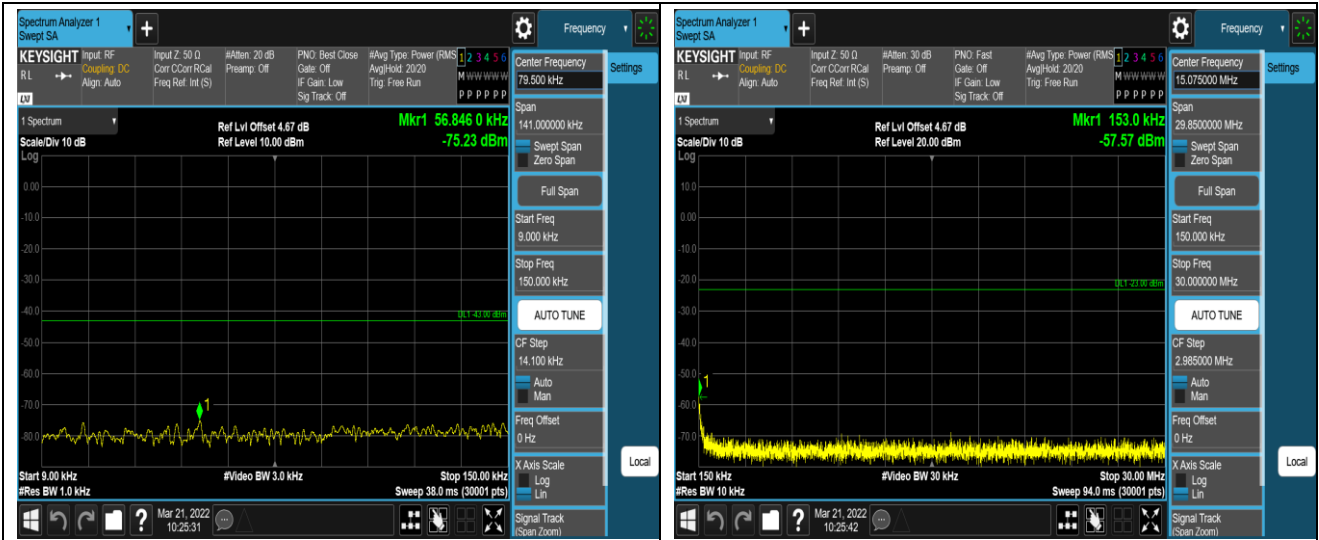
Band2-9538-30~1000MHz

Band2-9538-1000~20000MHz



Band4-1312-0.009~0.15MHz

Band4-1312-0.15~30MHz



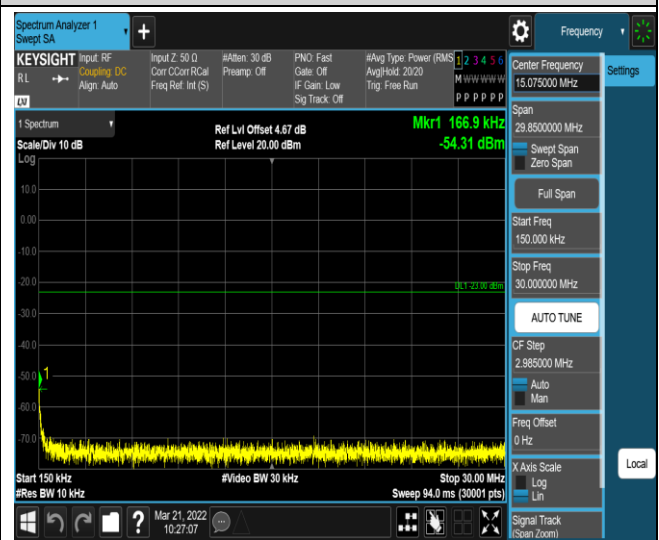
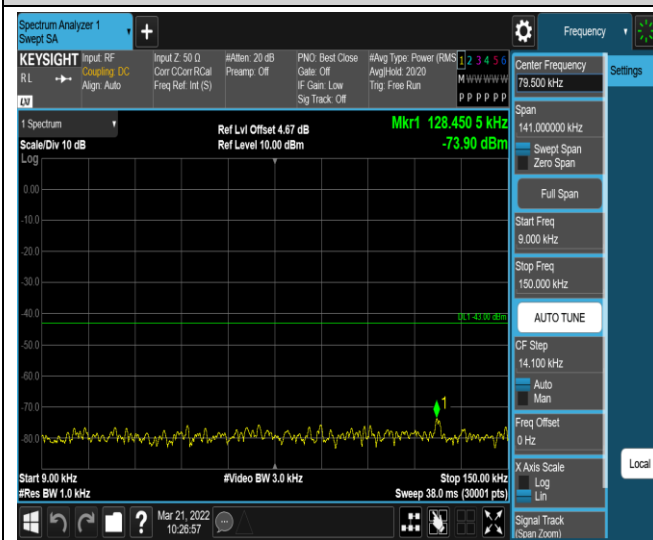
Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz



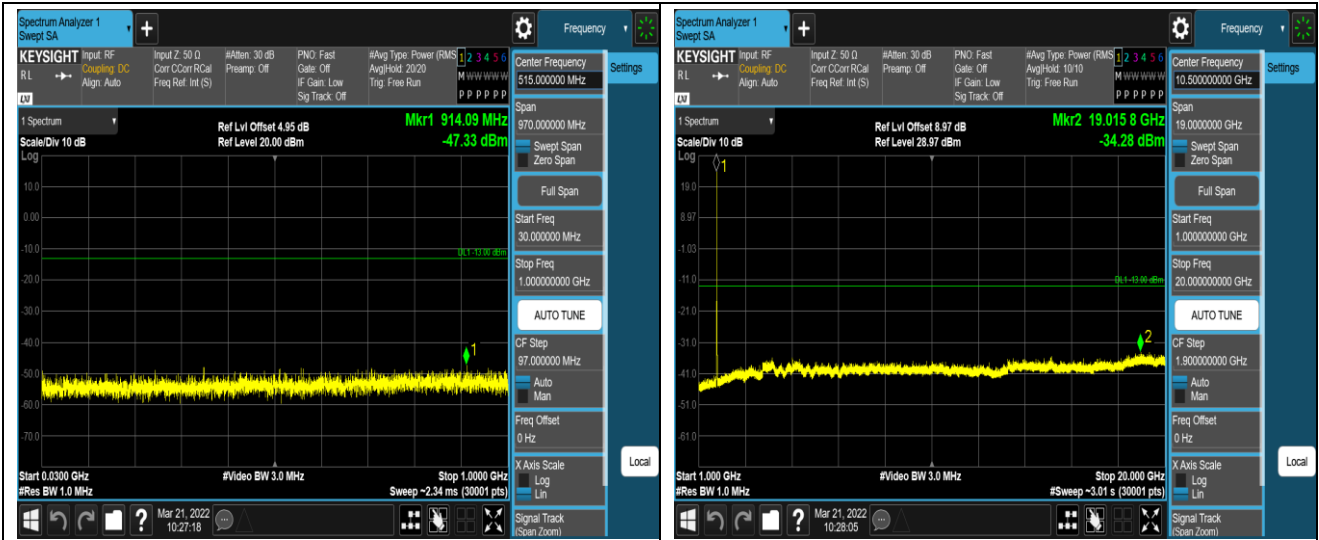
Band4-1413-0.009~0.15MHz

Band4-1413-0.15~30MHz



Band4-1413-30~1000MHz

Band4-1413-1000~20000MHz

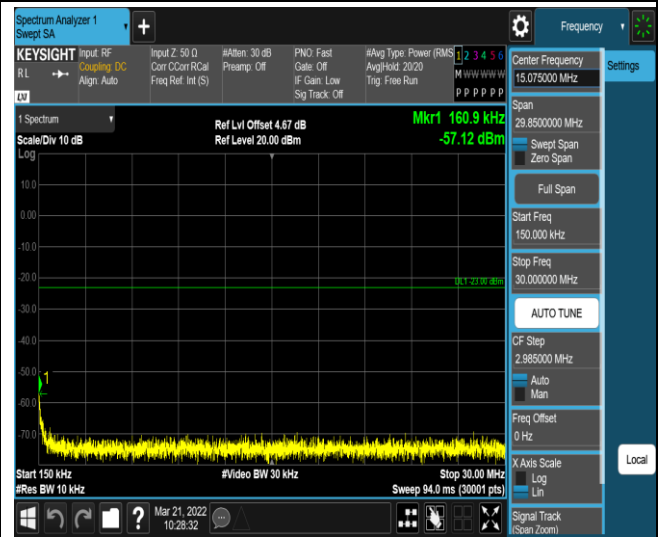


Band4-1513-0.009~0.15MHz

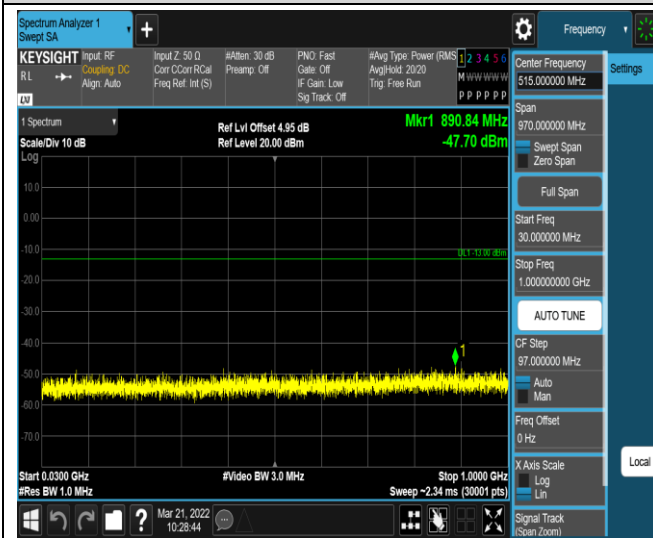
Band4-1513-0.15~30MHz



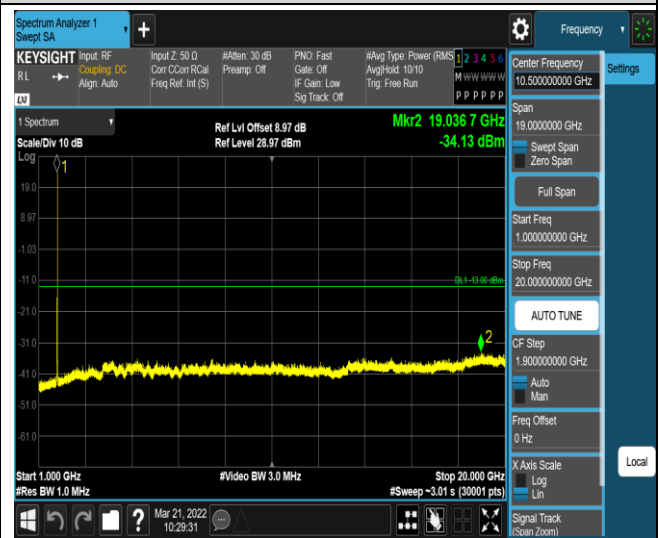
Band4-1513-30~1000MHz



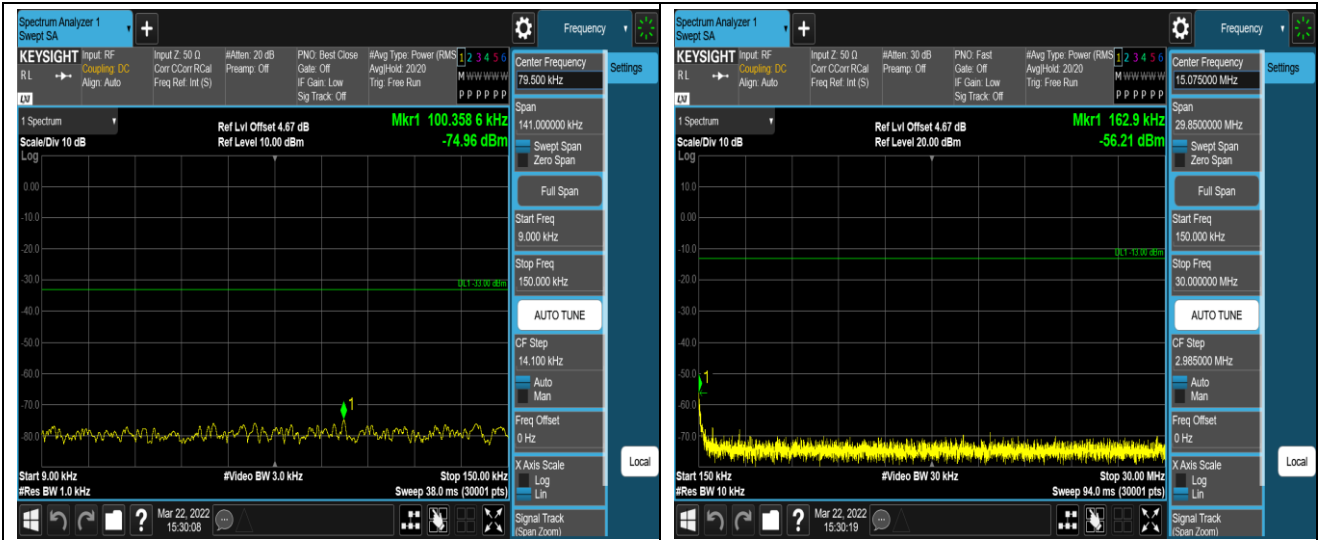
Band4-1513-1000~20000MHz



Band5-4132-0.009~0.15MHz

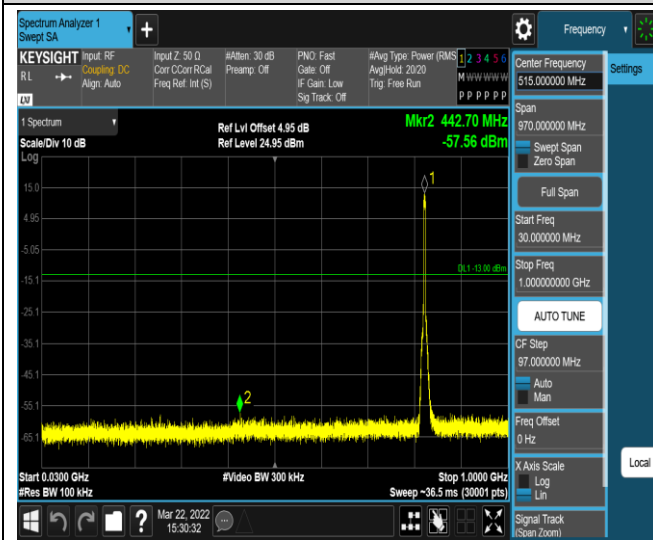


Band5-4132-0.15~30MHz



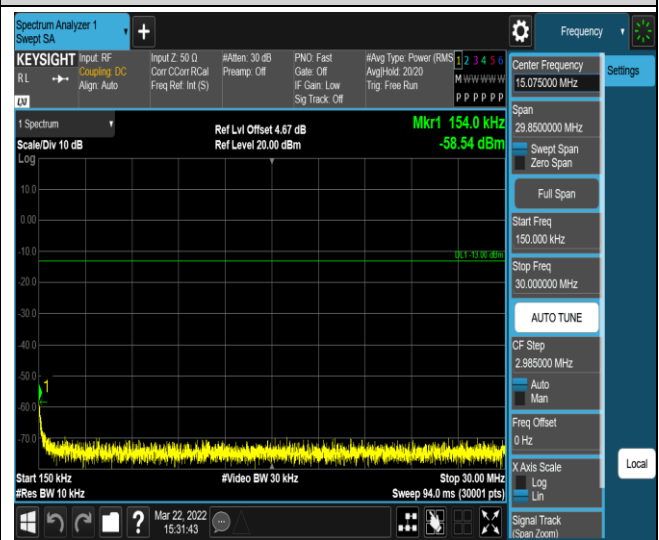
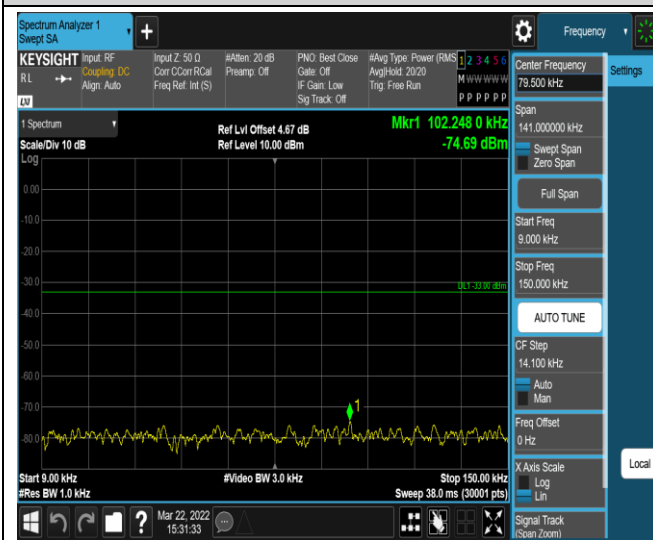
Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



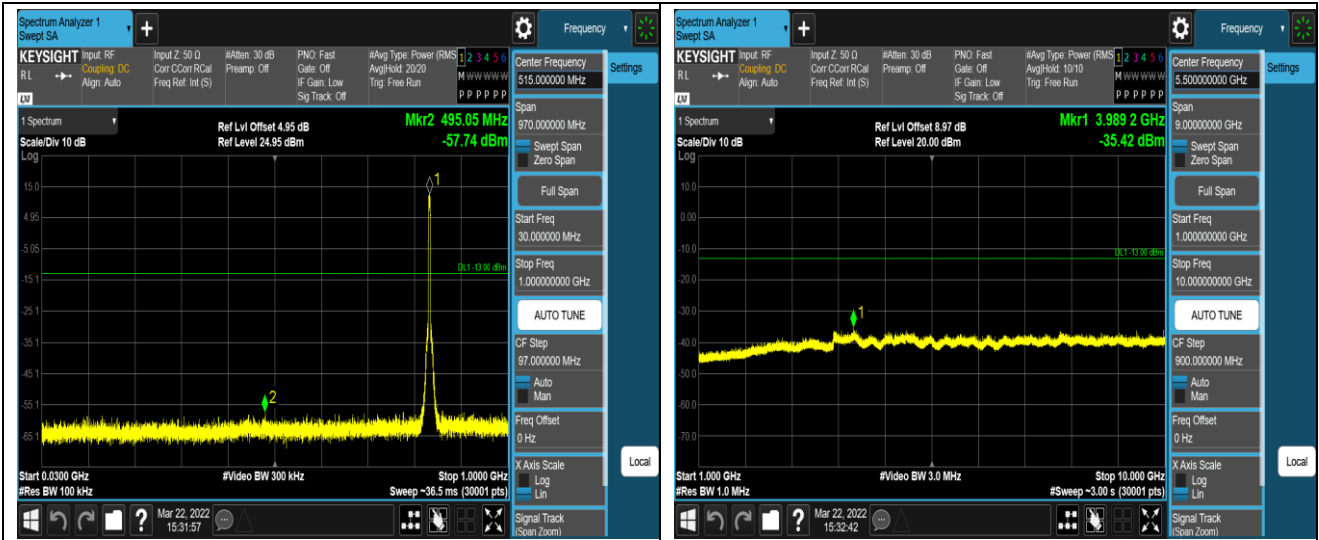
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



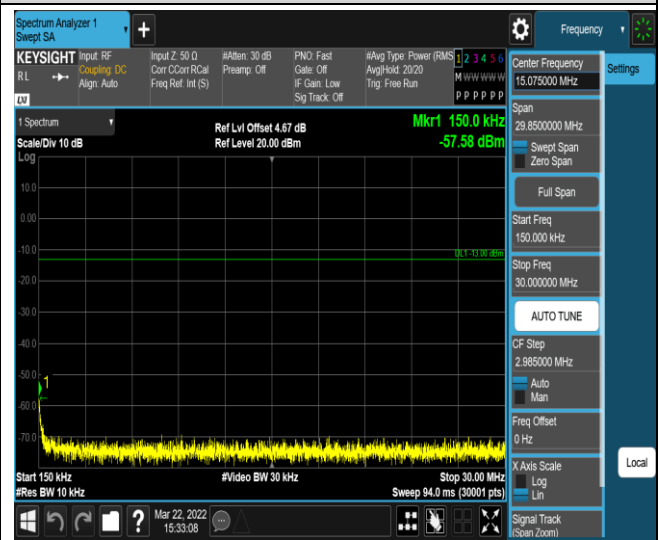
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



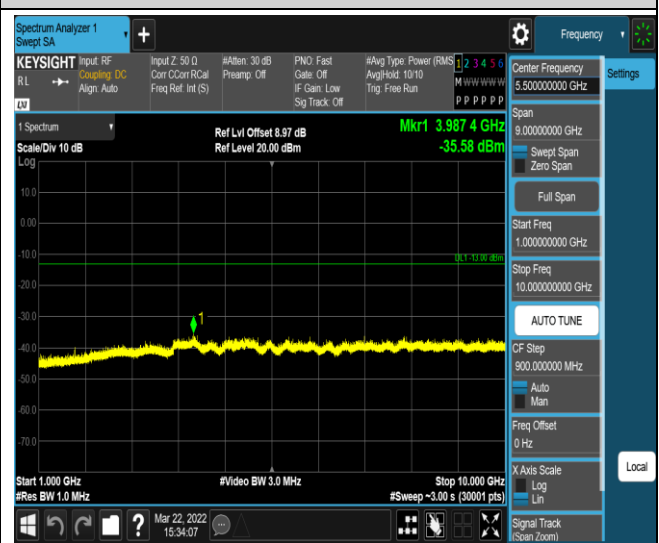
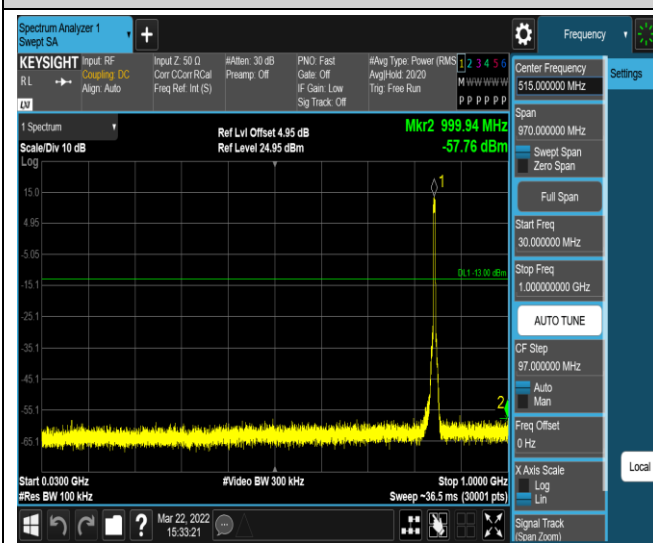
Band5-4233-0.009~0.15MHz

Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz

Band5-4233-1000~10000MHz



Appendix F: Frequency Stability

Test Result

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	2.12	0.001128	Within authorized band for BAND II	Pass
	-20	1.27	0.000676		
	-10	1.86	0.000989		
	0	2.05	0.001090		
	10	2.07	0.001101		
	20	1.97	0.001048		
	30	2.53	0.001346		
	40	3.73	0.001984		
	50	2.25	0.001197		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	0.65	0.000346	Within authorized band for BAND II	Pass
	3.87	1.26	0.000670		
	4.44	0.85	0.000452		
Remark: All channels had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND IV 12.2k RMC Middle Frequency=1413 channel=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-0.33	-0.000190	Within authorized band for BAND II	Pass
	-20	-0.24	-0.000139		
	-10	-0.09	-0.000052		
	0	-0.04	-0.000023		
	10	-0.19	-0.000110		
	20	-0.11	-0.000063		
	30	0.03	0.000017		
	40	0.77	0.000444		
	50	-0.18	-0.000104		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.93	-0.000537	Within authorized band for BAND II	Pass
	3.87	-1.53	-0.000883		
	4.44	-0.40	-0.000231		
Remark: All channels had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-1.92	-0.002295	±2.5	Pass
	-20	-1.61	-0.001924		
	-10	-1.67	-0.001996		
	0	-2.12	-0.002534		
	10	-2.02	-0.002415		
	20	-1.85	-0.002211		
	30	-1.80	-0.002152		
	40	-2.20	-0.002630		
	50	-1.73	-0.002068		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-2.37	-0.002833	±2.5	Pass
	3.87	-1.90	-0.002271		
	4.44	-2.26	-0.002701		
<i>Remark: All channels had been tested, but only the worst case data displayed in this report.</i>					

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band4	1413	PASS	PASS
Band5	4183	PASS	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs

